

NORTHROP GRUMMAN

The logo features the company name in a bold, italicized sans-serif font. Below the text is a thin, dark blue curved line that starts under the 'N' and sweeps upwards and to the right.

Messaging and Server COIN

June 20, 2006

Agenda

- Recommended Server Naming Conventions
- Commonwealth of Virginia Email Service Overview
- Questions and Answers
- Next Meeting Topics

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UNIX/Linux Naming Standards

Short name:

- **Position 1:** HW owner – v =Commonwealth of Virginia or e = Federally funded COV HW
- **Position 2:** OS - SUN Solaris = s, AIX = i, HPUNIX= h, redhat= r, SUSE=e, etc
- **Positions 3-5:** Agency = Agency Number. If a server supports a group of agencies as a part of the IT infrastructure the Agency number for VITA would be used.

Short name: **Continued**

- **Positions 6-8:** Sequential Alpha/Numeric = XXX
- **Production:** 3 sequential Alpha/numeric – 000-9zz (Allows for 12,960 production servers per agency per operating system), only numeric characters will be used in the first position. Alpha characters will not be used in the first position because of their use to designate other operating environments
- **Other Environments:** For all other environments (Sandbox, Dev, Test, Q/A), the first character specifies environment (Allows for 1296 servers per environment per agency per operating system) Test: t00-tzz, Development: d00-dzz

Examples:

- vi501001 – COV AIX Production server service for VDOT Server 1
- ee182001 – Federal Funds SUSE Linux Production server service for VEC Server 1
- vs765001 – COV SUN Solaris Production server service for DSS Server 1
- ee182d01 – Federal Funds SUSE Linux Development server service for VEC Server 1
- vs765t01 – COV SUN Solaris Test server service for DSS Server 1

Long name:

- vi501001.dot.virginia.gov
- ee182001.vec.virginia.gov
- vs765001.dss.virginia.gov

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Wintel Server Naming Standard

- **Format:**
- **<Forest>** **Single character used to identify the forest**
- **<Domain>** **Two characters used to identify the domain**
- **<Agency Identifier>** **Three characters used to identify the Agency-Org**
- **<Site Code>** **Three character site code**
- **<Role>** **Three characters used to identify the role**
- **<Server Number>** **Three character identifier for the server instance at a location**

Sample Codes

- One (1) Character Forest Code

Forest	Code
COV.VIRGINIA.GOV	Z

- Two (2) Character Domain Code

Domain	Code
COV.VIRGINIA.GOV	01

Sample Codes (Continued)

- Three (3) Character Agency Identifier Code

Current Agency Name (effective 7/2006)	Agency Abbreviation	Agency Identifier	Previous Agency Abbreviation (where changed)	Previous Agency Name (where changed)
Virginia IT Infrastructure Partnership		COV		

Sample Codes (Continued)

- Three (3) Character Site Code

Common Site Name/Location	Code
Commonwealth Enterprise Solution Center, Meadoville Technology Park (CESC)	CES
Southwest Enterprise Solution Center, Lebanon, VA (SESC)	SES
Richmond Plaza Building, 110 S. 7 th St. Richmond, VA	RPB
Monroe Building, Richmond, VA	MON

Sample Codes (Continued)

- One (1) Character Functional Role Code

Function/Role	Physical/Virtual	Code
Active Directory Domain Controller	P	DC
Common/Shared Resource Server (File/Print)	P	RS
Application Server	P	AP
Exchange Mail Server	P	EX
Exchange Bridge Head Server	P	BH
Exchange Front End Server	P	OW
SMTP Server	P	SP
Domain Name Service	P	NS
Database Servers (Oracle, Prevasive, SQL, Etc.)	P	DB
Backup Server	P	BK
Black Berry Server	P	BS
Certificate Authority	V	CA
Microsoft SUS/WUS Server	V	SD

Sample Codes (Continued)

- Three (3) Character Server Number Instance

Function/Role	Code
First File Server at CES	001
Second File Server CES	002
Third File Server CES	003

Example

- **Z02COVCESVRS001**
 - **Server that is part of the root Forest (COV), a member of the production domain (COV), belonging to the Virginia IT Infrastructure Partnership, at the CES site. It is a virtual resource server and the first one at the CES site**

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Commonwealth Of Virginia

Email Service Overview

Commonwealth Of Virginia (COV) Email System was created to...

- **Provide a common email platform, leveraging shared calendars and tasking**
- **Provide SPAM controls, Antivirus controls, and dependable / reliable service**
- **Provide Blackberry services**
- **Provide improved business continuity**

COV Email Service Includes...

- **Microsoft Exchange Mailbox**
- **Public Folders**
- **Windows/Exchange Client Access Licenses**
- **Email Failover and Recovery services**
- **SPAM and Anti-Virus Filtering**

COV Blackberry Service

- **Service Includes**
 - **Instant access to mail and calendar from handheld device**
 - **Blackberry Server License**
 - **Mobile Data Service**
- **Customer is responsible for**
 - **Blackberry unit**
 - **Data Service**
 - **Cellular Service**



Accessing COV Email

- Outlook 2003 via “RPC Over HTTPS”
 - Full Outlook functionality
 - Requires Windows XP SP2
- Outlook Web Access (OWA) component of Exchange 2003 may be used
 - Does not require client upgrades

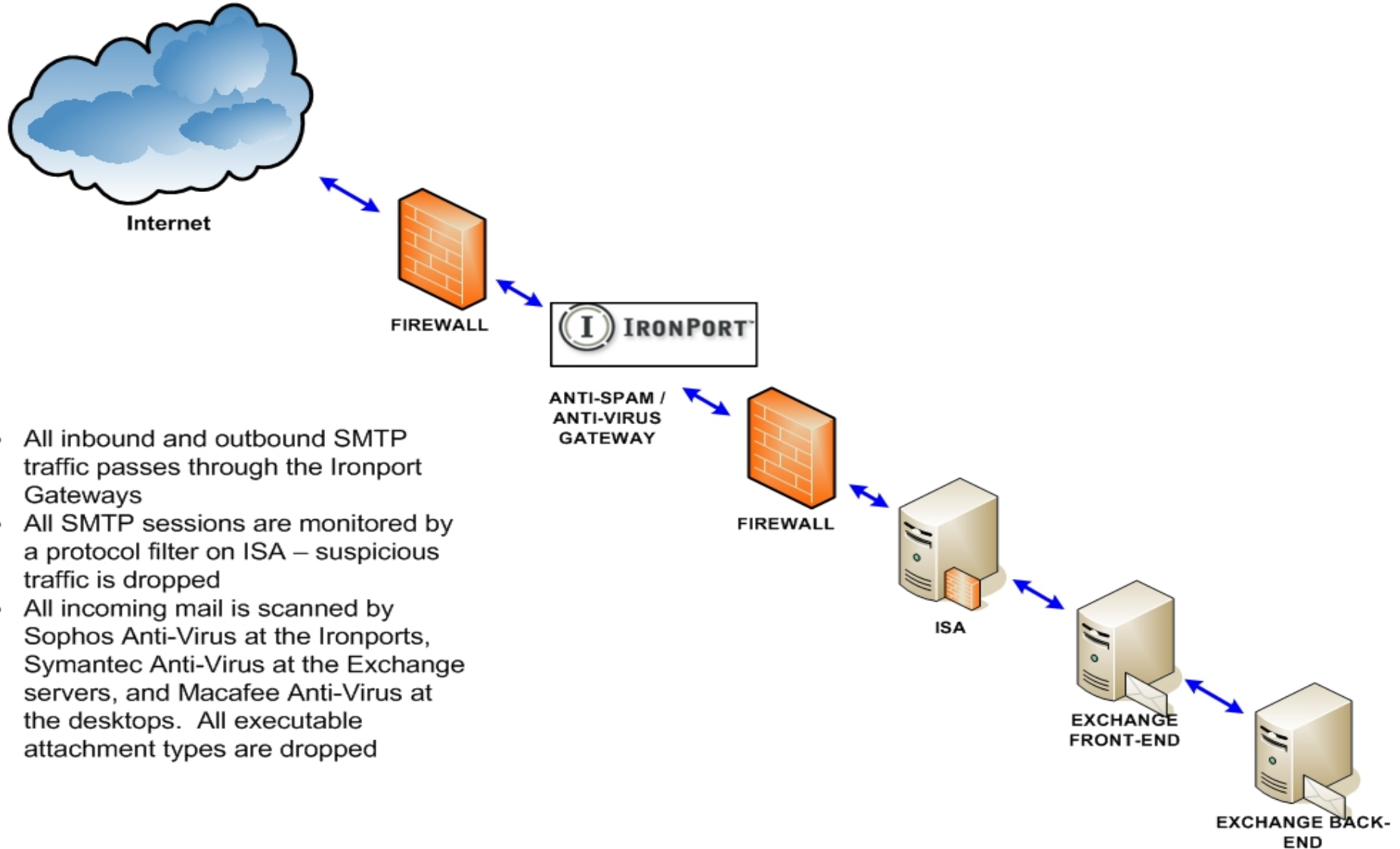
*** All Email access is encrypted**

COV Email SPAM/Anti-Virus



- All COV Email users are protected by IronPort, the industry leader in mail gateway protection
- 33k Commonwealth of Virginia mailboxes protected.
- Over 10 million pieces of SPAM deleted daily by the COV IronPort Service
- 380 million mailboxes protected worldwide
- 8 of the top 10 ISPs use IronPort
- Utilizes Brightmail's SPAM filter and Sophos Virus Protection

SMTP Flow



- All inbound and outbound SMTP traffic passes through the Ironport Gateways
- All SMTP sessions are monitored by a protocol filter on ISA – suspicious traffic is dropped
- All incoming mail is scanned by Sophos Anti-Virus at the Ironports, Symantec Anti-Virus at the Exchange servers, and Macafee Anti-Virus at the desktops. All executable attachment types are dropped

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Questions?